

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Claim 1. (Currently Amended)

A plasma display apparatus comprising:

a plurality of display element electrodes each including a pair of electrode segments with linear edges opposing each other, separated by a gap of predetermined distance, in which the width of each of said electrode segments narrows continuously across the display element electrode segment beginning at the associated one of said linear edges and in a direction away from the linear edges toward a bus electrode to which the display element electrode is connected;

a front substrate on which said plurality of display element electrodes are arranged along a row direction and a column direction;

a barrier structure, the inner surfaces of which being disposed along the outer ends of said plurality of display element electrodes thereby defining the outer shape of a plurality of cells which narrows continuously in a direction away from the linear edges toward the bus electrode, each of said cells which is coated with a phosphor member and is activated by a discharge of energy from one of said plurality of display element electrodes so as to emit light; and

a back substrate disposed opposing said front substrate with, said barrier structure therebetween.

Claim 2. (Previously Presented)

A plasma display apparatus according to claim 1, wherein said pair of electrode segments each have a semielliptical or semicircular shape.

Claim 3. (Previously Presented)

A plasma display apparatus according to claim 1, wherein said pair of electrode segments each have a triangular or trapezoidal shape.

Claim 4. (Original)

A plasma display apparatus according to claim 1, wherein said barrier structure comprises a plurality of separate units which define each of said plurality of cells so as to provide an evacuation channel structure in between said plurality of separate units.

Claim 5. (Original)

A plasma display apparatus according to claim 1, wherein the width of said barrier structure is varied in accordance with the width of each of said plurality of display element electrodes so as to define a channel passing through said plurality of cells in the column direction.

Claim 6. (Previously Presented)

A plasma display apparatus according to claim 1, wherein said pair of electrode segments each have a triangular or trapezoidal shape, and wherein said barrier structure is formed in a lattice pattern as viewed perpendicularly to said front substrate and said back substrate.

Claim 7. (Original)

A plasma display apparatus according to claim 1, further comprising a plurality of address electrodes each locally disposed, with respect to the row direction, from the center of the associated column of said plurality of cells as viewed perpendicularly to said front substrate and said back substrate.

Claim 8. (Original)

A plasma display apparatus according to claim 1, further comprising a plurality of address electrodes each locally disposed, with respect to the row direction, from the center of the associated column of said plurality of cells as viewed perpendicularly to said front substrate and said back substrate,
wherein the height of said barrier structure is made 130 μm or higher.

Claim 9. (Original)

A plasma display apparatus according to claim 8, further comprising a plurality of dielectric projections formed on said plurality of address electrodes,

each of said plurality of dielectric projections facing predetermined one of said pair of electrode segments constituting the associated one of said plurality of display element electrodes.

Claim 10. (Previously Presented)

A plasma display apparatus according to claim 1, wherein each of said plurality of cells is provided with a reflecting layer disposed below said phosphor member.

Claim 11. (Currently Amended)

A plasma display apparatus comprising:

a plurality of display element electrodes each including a pair of rectangular electrode segments with linear edges opposing each other, separated by a gap of predetermined distance;

a front substrate on which said plurality of display element electrodes are arranged along a row direction and a column direction;

a barrier structure and a dielectric layer, the inner surfaces of which being disposed along one or more of the outer ends of said plurality of display element electrodes, thereby defining the outer shape of a plurality of cells each of which is coated with a phosphor member activated by a discharge of energy from one of said plurality of display element electrodes so as to emit light; and

a back substrate disposed opposing said front substrate with said barrier structure therebetween.

Claim 12. (Original)

A plasma display apparatus according to claim 11, wherein said barrier structure comprises a plurality of separate units which define each of said plurality of cells so as to provide an evacuation channel structure in between said plurality of separate units.

Claim 13. (Original)

A plasma display apparatus according to claim 11, further comprising a plurality of address electrodes each having a linear portion extending along one side of said plurality of cells, the plurality of address electrodes each having a plurality of projecting portions disposed so as to face predetermined one of said pair of electrode segments constituting the associated one of said plurality of display element electrodes.

Claim 14. (Previously Presented)

A plasma display apparatus according to claim 11, wherein each of said plurality of cells is provided with a reflecting layer disposed below said phosphor member.

Claim 15. (Currently Amended)

A plasma display apparatus comprising:

a plurality of display element electrodes each including a pair of electrode segments with linear edges opposing each other, separated by a gap of predetermined distance, each of said electrode segments having a portion where the width continuously narrows across the electrode segment in the direction away from the associated one of said linear edges toward a bus electrode to which the display element electrode is connected;

a front substrate on which said plurality of display element electrodes are arranged along a row direction and a column direction;

a barrier structure, the inner surfaces of which being disposed along the outer ends of said plurality of display element electrodes thereby defining the outer shape of a plurality of cells which narrows continuously in a direction away from the linear edges toward the bus electrode, each of said cells which is coated with a phosphor member and is activated by a discharge of energy from one of said plurality of display element electrodes so as to emit light; and

a back substrate disposed opposing said front substrate with, said barrier structure therebetween.